

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 58-113163
 (43)Date of publication of application : 05.07.1983

(51)Int.Cl. C07C121/32
 C07C120/14
 // B01J 23/31
 B01J 23/88
 B01J 27/18

(21)Application number : 56-209950 (71)Applicant : UBE IND LTD
 (22)Date of filing : 28.12.1981 (72)Inventor : ODAN KYOJI
 ASADA HIROYUKI
 HIDAKA MIKIO
 KURATO TOSHIO
 ODA YOSHIHIKO

(54) PRODUCTION OF UNSATURATED NITRILE

(57)Abstract:

PURPOSE: Ammonoxydation of an olefin in vapor phase is conducted in the presence of a specific catalyst at elevated temperatures to keep high conversion and produce the corresponding unsaturated nitrile in high selectivity.

CONSTITUTION: The vapor-phase ammonoxydation of an olefin such as propylene or isobutylene is conducted in the presence of a catalyst at elevated temperatures to form the corresponding unsaturated nitrile wherein, as a catalyst, is used a composition represented by the general formula (X is at least one selected from P, As and Sb; A is alkali metal; B is at least one element selected from Ni, Co and W; aWh are atomic numbers, if a is 10, b and c are 0.1W10, d is 0.01W1, e is 0.01W1, f is 0W1, h has a value determined by valencies of the above elements other than oxygen, usually 31.5W112).

Mitsubishi PBC nla x e Af M. O.t.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]